

Thermal Detector

5251EM

- **ADM loop technology with System Sensor/200 protocol**
- **For use as maximum heat or rate-of-rise heat detector**
- **Alarm temperature 58°C or 78°C software selectable**
- **Optional connection of remote indicator**
- **Function testable with magnet**



Description

The addressable Thermal Detector 5251EM is based on the heat principle and was developed for the indoor temperature supervision in a wide range of fire detection applications.

When used with a Fire Detection Control Panel Series BC216, the detector can operate either as maximum heat detector with alarm temperature 58°C (EN 54-5 Class A1S) or alarm temperature 78°C (EN 54-5 Class BS), or as rate-of-rise heat detector with a maximum temperature of 58°C (EN 54-5 Class A1R).

The proven ADM loop technology with System Sensor/200 protocol establishes a permanent communi-

cation between the fire detection control panel and the detector. That ensures a periodical function testing of the detector. Fires are safely detected in the control panel by continuously analysing the measured values.

The two LEDs with 360° visibility indicate the activated condition of the detector. The detector address is selected with two decadic rotary switches, thus allowing to change the detector without additional tools.

A detector function test can be conveniently conducted using a magnet or a detector test device. The detector can be attached to various bases and it can be protected against theft.



Specifications

Operating voltage	Supply through loop voltage
Current consumption	max. 200µA (quiescent)
Alarm temperature	
Class A1S	typ. 58°C (maximum principle), max. room height 7.5m
Class A1R	typ. 58°C (rate-of-rise principle), max. room height 7.5m
Class BS	typ. 78°C (maximum principle), max. room height 6m
Operating temperature	
Classes A1S and A1R	max. +45°C
Class BS	max. +68°C
Ambient temperature	-20°C to +60°C (continuous operation)
Relative humidity	10 – 93% (no condensation)
Dimensions ø × H	102 × 51 (mm)
Colour	cream
Weight	102g
Approval	VdS G200094
Order number	242002
Order name	Thermal Detector/Anal./200/SS 5251EM

